Francesco Di Serio

List of Publications by Year
in descending order

154 papers	4,515 citations	109321 35 h-index	114465 63 g-index
162 all docs	162 docs citations	162 times ranked	3077 citing authors

#	Article	IF	Citations
1	Viroids and Viroid-Host Interactions. Annual Review of Phytopathology, 2005, 43, 117-139.	7.8	395
2	Taxonomy of the order Bunyavirales: update 2019. Archives of Virology, 2019, 164, 1949-1965.	2.1	285
3	Small RNAs containing the pathogenic determinant of a chloroplastâ€replicating viroid guide the degradation of a host mRNA as predicted by RNA silencing. Plant Journal, 2012, 70, 991-1003.	5.7	192
4	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
5	Taxonomy of the family Arenaviridae and the order Bunyavirales: update 2018. Archives of Virology, 2018, 163, 2295-2310.	2.1	157
6	Local expression of enzymatically active class I Î^{2}-1, 3-glucanase enhances symptoms of TMV infection in tobacco. Plant Journal, 2001, 28, 361-369.	5.7	153
7	Current status of viroid taxonomy. Archives of Virology, 2014, 159, 3467-3478.	2.1	151
8	RNA-Dependent RNA Polymerase 6 Delays Accumulation and Precludes Meristem Invasion of a Viroid That Replicates in the Nucleus. Journal of Virology, 2010, 84, 2477-2489.	3.4	147
9	Deep Sequencing of Viroid-Derived Small RNAs from Grapevine Provides New Insights on the Role of RNA Silencing in Plant-Viroid Interaction. PLoS ONE, 2009, 4, e7686.	2.5	130
10	A Viroid RNA with a Specific Structural Motif Inhibits Chloroplast Development. Plant Cell, 2007, 19, 3610-3626.	6.6	100
11	Specific Argonautes Selectively Bind Small RNAs Derived from Potato Spindle Tuber Viroid and Attenuate Viroid Accumulation <i>In Vivo</i>. Journal of Virology, 2014, 88, 11933-11945.	3.4	97
12	Viroids, the simplest RNA replicons: How they manipulate their hosts for being propagated and how their hosts react for containing the infection. Virus Research, 2015, 209, 136-145.	2.2	96
13	Viroids: The Noncoding Genomes. Seminars in Virology, 1997, 8, 65-73.	3.9	93
14	Peach latent mosaic viroid variants inducing peach calico (extreme chlorosis) contain a characteristic insertion that is responsible for this symptomatology. Virology, 2003, 313, 492-501.	2.4	90
15	Deep Sequencing of the Small RNAs Derived from Two Symptomatic Variants of a Chloroplastic Viroid: Implications for Their Genesis and for Pathogenesis. PLoS ONE, 2009, 4, e7539.	2.5	82
16	Viroids: How to infect a host and cause disease without encoding proteins. Biochimie, 2012, 94, 1474-1480.	2.6	81
17	Actinidia chlorotic ringspotâ€associated virus: a novel emaravirus infecting kiwifruit plants. Molecular Plant Pathology, 2017, 18, 569-581.	4.2	79
18	Update of the Scientific Opinion on the risks to plant health posed by Xylella fastidiosa in the EU territory. EFSA Journal, 2019, 17, e05665.	1.8	79

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19	Citrus tristeza virus infection induces the accumulation of viral small RNAs (21â€"24-nt) mapping preferentially at the 3â€²-terminal region of the genomic RNA and affects the host small RNA profile. Plant Molecular Biology, 2011, 75, 607-619.	3.9	73
20	The first phleboâ€like virus infecting plants: a case study on the adaptation of negativeâ€stranded RNA viruses to new hosts. Molecular Plant Pathology, 2018, 19, 1075-1089.	4.2	72
21	Viroids: From Genotype to Phenotype Just Relying on RNA Sequence and Structural Motifs. Frontiers in Microbiology, 2012, 3, 217.	3.5	68
22	Identification and molecular characterization of a novel monopartite geminivirus associated with mulberry mosaic dwarf disease. Journal of General Virology, 2015, 96, 2421-2434.	2.9	67
23	Cherry chlorotic rusty spot and Amasya cherry diseases are associated with a complex pattern of mycoviral-like double-stranded RNAs. I. Characterization of a new species in the genus Chrysovirus. Journal of General Virology, 2004, 85, 3389-3397.	2.9	65
24	Identification and characterization of a novel geminivirus with a monopartite genome infecting apple trees. Journal of General Virology, 2015, 96, 2411-2420.	2.9	62
25	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
26	Development and validation of a multiplex RT-PCR method for the simultaneous detection of five grapevine viroids. Journal of Virological Methods, 2012, 179, 62-69.	2.1	59
27	Sense- and antisense-mediated gene silencing in tobacco is inhibited by the same viral suppressors and is associated with accumulation of small RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6506-6510.	7.1	56
28	Variants of Peach latent mosaic viroid inducing peach calico: uneven distribution in infected plants and requirements of the insertion containing the pathogenicity determinant. Journal of General Virology, 2006, 87, 231-240.	2.9	54
29	A Negative-Stranded RNA Virus Infecting Citrus Trees: The Second Member of a New Genus Within the Order Bunyavirales. Frontiers in Microbiology, 2018, 9, 2340.	3.5	53
30	ICTV Virus Taxonomy Profile: Avsunviroidae. Journal of General Virology, 2018, 99, 611-612.	2.9	53
31	Guidance on commodity risk assessment for the evaluation of high risk plants dossiers. EFSA Journal, 2019, 17, e05668.	1.8	49
32	Advances in Viroid-Host Interactions. Annual Review of Virology, 2021, 8, 305-325.	6.7	49
33	Identification and characterization of a viroid resembling apple dimple fruit viroid in fig (Ficus carica) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	45
34	Cherry chlorotic rusty spot and Amasya cherry diseases are associated with a complex pattern of mycoviral-like double-stranded RNAs. II. Characterization of a new species in the genus Partitivirus. Journal of General Virology, 2004, 85, 3399-3403.	2.9	37
35	Peach latent mosaic viroid: not so latent. Molecular Plant Pathology, 2006, 7, 209-221.	4.2	36
36	Identification and Characterization of a Novel Emaravirus Associated With Jujube (Ziziphus jujuba) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.5	35

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37	Somatic embryogenesis efficiently eliminates viroid infections from grapevines. European Journal of Plant Pathology, 2011, 130, 511-519.	1.7	34
38	ICTV Virus Taxonomy Profile: Pospiviroidae. Journal of General Virology, 2021, 102, .	2.9	33
39	A nuclear-replicating viroid antagonizes infectivity and accumulation of a geminivirus by upregulating methylation-related genes and inducing hypermethylation of viral DNA. Scientific Reports, 2016, 6, 35101.	3.3	29
40	Survey on viroids infecting grapevine in Italy: identification and characterization of Australian grapevine viroid and Grapevine yellow speckle viroid 2. European Journal of Plant Pathology, 2014, 140, 199-205.	1.7	27
41	Two Novel Negative-Sense RNA Viruses Infecting Grapevine Are Members of a Newly Proposed Genus within the Family Phenuiviridae. Viruses, 2019, 11, 685.	3.3	27
42	Viroid Diseases in Pome and Stone Fruit Trees and Kochâ€™s Postulates: A Critical Assessment. Viruses, 2018, 10, 612.	3.3	26
43	Commodity risk assessment of black pine (PinusÂthunbergii Parl.) bonsai from Japan. EFSA Journal, 2019, 17, e05667.	1.8	26
44	Viroid pathogenesis: a critical appraisal of the role of RNA silencing in triggering the initial molecular lesion. FEMS Microbiology Reviews, 2020, 44, 386-398.	8.6	26
45	A single polyprobe for detecting simultaneously eight pospiviroids infecting ornamentals and vegetables. Journal of Virological Methods, 2012, 186, 141-146.	2.1	25
46	Effectiveness of in planta control measures for XylellaÂfastidiosa. EFSA Journal, 2019, 17, e05666.	1.8	25
47	Viroid RNA turnover: characterization of the subgenomic RNAs of potato spindle tuber viroid accumulating in infected tissues provides insights into decay pathways operating in vivo. Nucleic Acids Research, 2015, 43, 2313-2325.	14.5	24
48	Molecular characterization of the largest mycoviral-like double-stranded RNAs associated with Amasya cherry disease, a disease of presumed fungal aetiology. Journal of General Virology, 2006, 87, 3113-3117.	2.9	22
49	Viroid-like RNAs from cherry trees affected by leaf scorch disease: further data supporting their association with mycoviral double-stranded RNAs. Archives of Virology, 2014, 159, 589-593.	2.1	22
50	Identification and characterization of privet leaf blotchâ€associated virus, a novel <i>idaeovirus</i>. Molecular Plant Pathology, 2017, 18, 925-936.	4.2	22
51	Sequences of the smallest double-stranded RNAs associated with cherry chlorotic rusty spot and Amasya cherry diseases. Archives of Virology, 2008, 153, 759-762.	2.1	19
52	The genetic diversity of Citrus dwarfing viroid populations is mainly dependent on the infected host species. Journal of General Virology, 2013, 94, 687-693.	2.9	19
53	How sequence variants of a plastid-replicating viroid with one single nucleotide change initiate disease in its natural host. RNA Biology, 2019, 16, 906-917.	3.1	19
54	Watermelon crinkle leaf-associated virus 1 and watermelon crinkle leaf-associated virus 2 have a bipartite genome with molecular signatures typical of the members of the genus Coguvirus (family) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	19

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55	Cytopathic Effects Incited by Viroid RNAs and Putative Underlying Mechanisms. Frontiers in Plant Science, 2012, 3, 288.	3.6	18
56	Pest categorisation of Spodoptera litura. EFSA Journal, 2019, 17, e05765.	1.8	17
57	Viroids: Molecular implements for dissecting RNA trafficking in plants. RNA Biology, 2008, 5, 128-131.	3.1	16
58	Close structural relationship between two hammerhead viroid-like RNAs associated with cherry chlorotic rusty spot disease. Archives of Virology, 2006, 151, 1539-1549.	2.1	15
59	Engineering resistance against viroids. Current Opinion in Virology, 2017, 26, 1-7.	5.4	15
60	Viroid Taxonomy. , 2017, , 135-146.		15
61	List of nonâ€EU viruses and viroids of Cydonia Mill., Fragaria L., Malus Mill., Prunus L., Pyrus L., Ribes L., Rubus L. and Vitis L.. EFSA Journal, 2019, 17, e05501.	1.8	15
62	An Element of the Tertiary Structure of Peach Latent Mosaic Viroid RNA Revealed by UV Irradiation. Journal of Virology, 2006, 80, 9336-9340.	3.4	14
63	Symptomatic plant viroid infections in phytopathogenic fungi: A request for a critical reassessment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10126-10128.	7.1	14
64	Reassessing species demarcation criteria in viroid taxonomy by pairwise identity matrices. Virus Evolution, 2021, 7, veab001.	4.9	13
65	Degradome Analysis of Tomato and Nicotiana benthamiana Plants Infected with Potato Spindle Tuber Viroid. International Journal of Molecular Sciences, 2021, 22, 3725.	4.1	13
66	A scenario for the emergence of protoviroids in the RNA world and for their further evolution into viroids and viroid-like RNAs by modular recombinations and mutations. Virus Evolution, 2022, 8, veab107.	4.9	13
67	Small Circular Satellite RNAs. , 2017, , 659-669.		12
68	Pest categorisation of nonâ€EU viruses and viroids of potato. EFSA Journal, 2020, 18, e05853.	1.8	12
69	Origin and Evolution of Viroids. , 2017, , 125-134.		10
70	Discovery and Survey of a New Mandarivirus Associated with Leaf Yellow Mottle Disease of Citrus in Pakistan. Plant Disease, 2020, 104, 1593-1600.	1.4	10
71	Pest categorisation of nonâ€EU Tephritidae. EFSA Journal, 2020, 18, e05931.	1.8	10
72	Identification and Characterization of Citrus Concave Gum-Associated Virus Infecting Citrus and Apple Trees by Serological, Molecular and High-Throughput Sequencing Approaches. Plants, 2021, 10, 2390.	3.5	10

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73	Pest categorisation of nonâ€EU Cicadomorpha vectors of Xylella spp.. EFSA Journal, 2019, 17, e05736.	1.8	9
74	Molecular Hybridization Techniques for Detecting and Studying Viroids. , 2017, , 369-379.		8
75	Pest categorisation of PopilliaÂjaponica. EFSA Journal, 2018, 16, e05438.	1.8	8
76	Molecular variability of apple hammerhead viroid from Italian apple varieties supports the relevance in vivo of its branched conformation stabilized by a kissing loop interaction. Virus Research, 2019, 270, 197644.	2.2	8
77	Citrus tristeza virus: Host RNA Silencing and Virus Counteraction. Methods in Molecular Biology, 2019, 2015, 195-207.	0.9	8
78	Pest categorisation of the RalstoniaÂsolanacearum species complex. EFSA Journal, 2019, 17, e05618.	1.8	8
79	Simultaneous detection of citrus concave gum-associated virus (CCGaV) and citrus virus A (CiVA) by multiplex RT-PCR. Journal of Plant Pathology, 2020, 102, 655-661.	1.2	8
80	Double-Stranded RNA-Enriched Preparations to Identify Viroids by Next-Generation Sequencing. Methods in Molecular Biology, 2018, 1746, 37-43.	0.9	7
81	Pest categorisation of nonâ€EU viruses and viroids of Cydonia Mill., Malus Mill. and Pyrus L.. EFSA Journal, 2019, 17, e05590.	1.8	7
82	Novel Fig-Associated Viroid-Like RNAs Containing Hammerhead Ribozymes in Both Polarity Strands Identified by High-Throughput Sequencing. Frontiers in Microbiology, 2020, 11, 1903.	3.5	7
83	Pest categorisation of the nonâ€EU phytoplasmas of Cydonia Mill., Fragaria L., Malus Mill., Prunus L., Pyrus L., Ribes L., Rubus L. and Vitis L.. EFSA Journal, 2020, 18, e05929.	1.8	7
84	Other Apscaviroids Infecting Pome Fruit Trees. , 2017, , 229-241.		6
85	Pest categorisation of nonâ€EU viruses and viroids of Vitis L.. EFSA Journal, 2019, 17, e05669.	1.8	6
86	Reassessment of Viroid RNA Cytosine Methylation Status at the Single Nucleotide Level. Viruses, 2019, 11, 357.	3.3	6
87	Pest categorisation of nonâ€EU viruses of Rubus L.. EFSA Journal, 2020, 18, e05928.	1.8	6
88	Pest categorisation of Aleurocanthus spp.. EFSA Journal, 2018, 16, e05436.	1.8	5
89	Pest categorisation of nonâ€EU viruses and viroids of Prunus L.. EFSA Journal, 2019, 17, e05735.	1.8	5
90	Pest categorisation of potato virus M (nonâ€EU isolates). EFSA Journal, 2020, 18, e05854.	1.8	5

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91	Genomic sequence variability of an Italian Zucchini yellow mosaic virus isolate. European Journal of Plant Pathology, 2020, 156, 325-332.	1.7	5
92	Pest categorisation of Spodoptera eridania. EFSA Journal, 2020, 18, e05932.	1.8	5
93	Risk assessment of the entry of PantoeaÂstewartii subsp. stewartii on maize seed imported by the EU from the USA. EFSA Journal, 2019, 17, e05851.	1.8	4
94	Pest categorisation of ClavibacterÂsepedonicus. EFSA Journal, 2019, 17, e05670.	1.8	4
95	Pest categorisation of Diabrotica virgifera zeae. EFSA Journal, 2019, 17, e05858.	1.8	4
96	Pest categorisation of nonâ€EU viruses of Ribes L.. EFSA Journal, 2019, 17, e05859.	1.8	4
97	Pest categorisation of tomato leaf curl New Delhi virus. EFSA Journal, 2020, 18, e06179.	1.8	4
98	Pest categorisation of nonâ€EU Monochamus spp.. EFSA Journal, 2018, 16, e05435.	1.8	3
99	Pest categorisation of nonâ€EU viruses of Fragaria L.. EFSA Journal, 2019, 17, e05766.	1.8	3
100	List of nonâ€EU viruses and viroids infecting potato (Solanum tuberosum) and other tuberâ€forming Solanum species. EFSA Journal, 2020, 18, e05852.	1.8	3
101	First Report of Cucumber mosaic virus Infecting Solanum jasminoides in Italy. Plant Disease, 2008, 92, 1585-1585.	1.4	3
102	Viroid Pathogenesis. , 2017, , 93-103.		2
103	Pest categorisation of ThecaphoraÂsolani. EFSA Journal, 2018, 16, e05445.	1.8	2
104	Detection of Citrus tristeza virus and Coinfecting Viroids. Methods in Molecular Biology, 2019, 2015, 67-78.	0.9	2
105	Pest categorisation of ThripsÂpalmi. EFSA Journal, 2019, 17, e05620.	1.8	2
106	Pest categorisation of Diabrotica barberi. EFSA Journal, 2019, 17, e05857.	1.8	2
107	List of nonâ€EU Scolytinae of coniferous hosts. EFSA Journal, 2020, 18, e05933.	1.8	2
108	Pest categorisation of potato virus Y (nonâ€EU isolates). EFSA Journal, 2020, 18, e05938.	1.8	2

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109	Commodity risk assessment of AcerÂspp. plants from New Zealand. EFSA Journal, 2020, 18, e06105.	1.8	2
110	Commodity risk assessment of Albizia julibrissin plants from Israel. EFSA Journal, 2020, 18, e05941.	1.8	2
111	Pest categorisation of nonâ€EU Scolytinae of coniferous hosts. EFSA Journal, 2020, 18, e05934.	1.8	2
112	Pest categorisation of Helicoverpa zea. EFSA Journal, 2020, 18, e06177.	1.8	2
113	Pest categorisation of Liriomyza sativae. EFSA Journal, 2020, 18, e06037.	1.8	2
114	Pest categorisation of Liriomyza bryoniae. EFSA Journal, 2020, 18, e06038.	1.8	2
115	Identification, full-length genome sequencing, and field survey of citrus vein enation virus in Italy. Phytopathologia Mediterranea, 2021, 60, 293-301.	1.3	2
116	The role of plant viroids in diseases - new developments.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-6.	1.0	2
117	In memoriam of Ricardo Flores: The career, achievements, and legacy of an inspirational plant virologist. Virus Research, 2022, 312, 198718.	2.2	2
118	Peach Latent Mosaic Viroid in Infected Peach. , 2017, , 307-316.		1
119	Pest categorisation of SternochetusÂmangiferae. EFSA Journal, 2018, 16, e05439.	1.8	1
120	Pest categorisation of Gymnosporangium spp. (nonâ€EU). EFSA Journal, 2018, 16, e05512.	1.8	1
121	Pest categorisation of ConotrachelusÂnenuphar. EFSA Journal, 2018, 16, e05437.	1.8	1
122	Pest categorisation of Arceuthobium spp. (nonâ€EU). EFSA Journal, 2018, 16, e05384.	1.8	1
123	Pest categorisation of PseudopityophthorusÂminutissimus and P.Âpruinosus. EFSA Journal, 2019, 17, e05513.	1.8	1
124	Pest categorisation of ArrhenodesÂminutus. EFSA Journal, 2019, 17, e05617.	1.8	1
125	Pest categorisation of the Andean Potato Weevil (APW) complex (Coleoptera: Curculionidae). EFSA Journal, 2020, 18, e06176.	1.8	1
126	Pest categorisation of potato virus X (nonâ€EU isolates). EFSA Journal, 2020, 18, e05937.	1.8	1

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127	List of nonâ€ĔU phytoplasmas of Cydonia Mill., Fragaria L., Malus Mill., Prunus L., Pyrus L., Ribes L., Rubus L. and Vitis L.. EFSA Journal, 2020, 18, e05930.	1.8	1
128	First Report of Peach latent mosaic viroid and Hop stunt viroid Infecting Peach Trees in the Czech Republic. Plant Disease, 2003, 87, 1537-1537.	1.4	1
129	Pest categorisation of AcrobasisÂpirivorella. EFSA Journal, 2018, 16, e05440.	1.8	0
130	Pest categorisation of StagonosporopsisÂandigena. EFSA Journal, 2018, 16, e05441.	1.8	0
131	Pest categorisation of MelampsoraÂfarlowii. EFSA Journal, 2018, 16, e05442.	1.8	0
132	Pest categorisation of Cronartium harknessii, Cronartium kurilense and Cronartium sahoanum. EFSA Journal, 2018, 16, e05443.	1.8	0
133	Pest categorisation of PhyllostictaÂsolitaria. EFSA Journal, 2018, 16, e05510.	1.8	0
134	Pest categorisation of Grapholita prunivora. EFSA Journal, 2018, 16, e05517.	1.8	0
135	Pest categorisation of GrapholitaÂinopinata. EFSA Journal, 2018, 16, e05515.	1.8	0
136	Pest categorisation of Cronartium spp. (nonâ€ĔU). EFSA Journal, 2018, 16, e05511.	1.8	0
137	Pest categorisation of SeptoriaÂmalagutii. EFSA Journal, 2018, 16, e05509.	1.8	0
138	Pest categorisation of Carposina sasakii. EFSA Journal, 2018, 16, e05516.	1.8	0
139	Pest categorisation of PhymatotrichopsisÂomnivora. EFSA Journal, 2019, 17, e05619.	1.8	0
140	Pest categorisation of ScaphoideusÂluteolus. EFSA Journal, 2019, 17, e05616.	1.8	0
141	Pest categorisation of nonâ€ĔU Choristoneura spp.. EFSA Journal, 2019, 17, e05671.	1.8	0
142	Pest categorisation of nonâ€ĔU Margarodidae. EFSA Journal, 2019, 17, e05672.	1.8	0
143	Pest categorisation of nonâ€ĔU Acleris spp.. EFSA Journal, 2019, 17, e05856.	1.8	0
144	Pest categorisation of potato virus S (nonâ€ĔU isolates). EFSA Journal, 2020, 18, e05855.	1.8	0

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145	Pest categorisation of Naupactus leucoloma. EFSA Journal, 2020, 18, e06104.	1.8	0
146	Commodity risk assessment of Malus domestica plants from Serbia. EFSA Journal, 2020, 18, e06109.	1.8	0
147	Pest categorisation of Nemorimyza maculosa. EFSA Journal, 2020, 18, e06036.	1.8	0
148	Commodity risk assessment of Robinia pseudoacacia plants from Israel. EFSA Journal, 2020, 18, e06039.	1.8	0
149	Pest categorisation of Saperda tridentata. EFSA Journal, 2020, 18, e05940.	1.8	0
150	Pest categorisation of potato virus V (nonâ€EU isolates). EFSA Journal, 2020, 18, e05936.	1.8	0
151	Pest categorisation of potato virus A (nonâ€EU isolates). EFSA Journal, 2020, 18, e05935.	1.8	0
152	Pest categorisation of potato leafroll virus (nonâ€EU isolates). EFSA Journal, 2020, 18, e05939.	1.8	0
153	Pest categorisation of Exomala orientalis. EFSA Journal, 2020, 18, e06103.	1.8	0
154	Ricardo Flores PedauyÃ© (1947 - 2020). Journal of Plant Pathology, 0, , 1.	1.2	0